

ABSTRACT

A solid electrolyte type fuel battery in which a material for an interconnector for connecting cells of the solid electrolyte type fuel battery comprises a matrix of the general formula $MTiO_3$, where M is an alkaline earth metal element such as Mg, Ca, Sr or Ba. This fuel battery can be produced by burning at a lower temperature of 1,300 to 1,400°C than before, shows output performance comparable to or better than that of conventional devices, and has better durability and thermo cycle resistance characteristics than the conventional devices.